

Contents of volume 988

No. 1

Information for Contributors

vii

Mitochondrial protein import

F.-U. Hartl, N. Pfanner, D.W. Nicholson and W. Neupert (F.R.G.)

1

Monomer-oligomer equilibrium of sarcoplasmic reticulum Ca-ATPase and the role of subunit interaction in the Ca^{2+} pump mechanism

J.P. Andersen (Denmark)

47

 Na^+/H^+ exchange and growth factor-induced cytosolic pH changes. Role in cellular proliferation

S. Grinstein, D. Rotin and M.J. Mason (Canada)

73

Multiple conductance states of the sodium channel and of other ion channels

H. Meves and K. Nagy (F.R.G.)

99

The spectrin-actin junction of erythrocyte membrane skeletons

V. Bennett (U.S.A.)

107

Membrane function in mammalian hibernation

R.C. Aloia and J.K. Raison (U.S.A., Australia)

123

No. 2

Membrane-cytoskeleton interactions in animal cells

K.L. Carraway and C.A. Carothers Carraway (U.S.A.)

147

Membrane-bound D-lactate dehydrogenase of *Escherichia coli*: a model for protein interactions in membranes

C. Ho, E.A. Pratt and G.S. Rule (U.S.A.)

173

Isozymes of the Na^+/K^+ -ATPase

K.J. Sweadner (U.S.A.)

185

Cubic phases and isotropic structures formed by membrane lipids – possible biological relevance

G. Lindblom and L. Rilfors (Sweden)

221

The actions of neutral anaesthetics on ion conductances of nerve membranes

J.R. Elliott and D.A. Haydon (U.K.)

257

Inhibitors of sodium-calcium exchange: identification and development of probes of transport activity

G.J. Kaczorowski, R.S. Slaughter, V.F. King and M.L. Garcia (U.S.A.)

287

The low density lipoprotein receptor

W.J. Schneider (Canada)

303

No. 3

Continuous monitoring of transport by fluorescence on cells and vesicles

O. Eidelman and Z.I. Cabantchik (Israel)

319

The critical unilamellar lipid state: a perspective for membrane bilayer assembly

N.L. Gershfeld (U.S.A.)

335

Hydration forces between phospholipid bilayers

R.P. Rand and V.A. Parsegian (Canada, U.S.A.)

351

Salmonella typhimurium and *Escherichia coli* mutants with increased outer membrane permeability to hydrophobic compounds

S. Sukupolvi and M. Vaara (Finland)

377

Expression and function of cell surface galactosyltransferase

B.D. Shur (U.S.A.)

389

Fatty acylation of proteins

M.F.G. Schmidt (Arabian Gulf)

411

The glycosyl-phosphatidylinositol anchor of membrane proteins

M.G. Low (U.S.A.)

427

Contents of volume 988

455

Author index

457